

## ABSTRACT OF THE INVENTION

The invention provides printing systems and methods for depositing small volumes of liquid on solid substrates. These systems and methods are useful with a wide variety of liquids and substrates and offer a wide variety of applications, including the deposition of  
5 arrays of analytes. In particular embodiments, the systems comprise a preservation device, a detachable ganged plurality of printing devices, and/or a wire bonding capillary.